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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/840,467	04/24/2001	Sung Lyong Lee	Q62056	1924

7590 12/19/2002

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EXAMINER

ALPHONSE, FRITZ

ART UNIT	PAPER NUMBER
2675	5

DATE MAILED: 12/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No. <b>09/840,467</b>	Applicant(s) <b>Sung L. Lee</b>
Examiner <b>Fritz Alphonse</b>	Art Unit <b>2675</b>

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

1)  Responsive to communication(s) filed on Apr 24, 2001

2a)  This action is FINAL. 2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

4)  Claim(s) 1-7 is/are pending in the application.

4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-7 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)  The proposed drawing correction filed on \_\_\_\_\_ is: a)  approved b)  disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.

12)  The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

13)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All b)  Some\* c)  None of:

1.  Certified copies of the priority documents have been received.
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

14)  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).  
a)  The translation of the foreign language provisional application has been received.

15)  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

1)  Notice of References Cited (PTO-892) 4)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_

2)  Notice of Draftsperson's Patent Drawing Review (PTO-948) 5)  Notice of Informal Patent Application (PTO-152)

3)  Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_ 6)  Other: \_\_\_\_\_

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 112*

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1, 2, are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Particularly, (claim 1, line 2 and claim 2, line 4) recite the limitation "multi cursor display data". That limitation has not clearly disclosed in the specification. Father explanation is required.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takahashi (U.S. Pat. No. 6,344,880) in view of Chauvel (U.S. Pat. No. 6,452,641).

As best understood, as to claim 2, Takahashi (fig. 1) shows OSD display apparatus, comprising: an OSD source remote controller for generating an OSD cursor display command on a screen (col. 5, lines 48-62); an OSD source for transmitting a plurality of OSD multi cursor display

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data by giving each OSD multi cursor display data a peculiar ID (see figures 13-14) and transmitting a selected OSD multi cursor ID and display location information in the case that there is an OSD multi cursor display command from said OSD source remote controller (col. 12, lines 23-33); and a display apparatus for storing the plurality of OSD multi cursor display data received from said OSD source in a memory and reading an OSD multi cursor display data having a corresponding ID from said memory (col. 14, lines 1-11).

Takahashi does not teach about displaying the OSD multi cursor display data on a screen at a given display location in response to the received OSD multi cursor ID and display location information. However, these limitations are disclosed by Chauvel (col. 10, lines 30-39).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to improve upon the OSD device as disclosed by Chauvet. Doing so would provide OSD with variable resolution, thereby reducing the processing power and memory required to produce the on-screen display.

As to claim 3, Takahashi discloses an OSD image display apparatus, wherein the OSD source comprises: an MPEG source (see fig. 2) for supplying an MPEG transport stream to the display apparatus.

Takahashi does not explicitly disclose an OSD generator for generating OSD display data in bitmap format; a register for storing data provided to the display apparatus upon initial connection of the display apparatus and the OSD source; and a controller for controlling the MPEG source, the

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OSD generator, and the register. However, these limitations are disclosed by Chauvet (see figures 2-6).

As to claim 4, Takahashi (fig. 1) shows an OSD image display apparatus, wherein the OSD source further comprises: a command input part for receiving a command signal from the OSD source remote controller and providing the command signal to the controller.

As to claim 5, the claim has substantially the limitations of claims 3-4, therefore, they are analyzed as previously discussed in claims 3-4 above.

As to claim 6, Takahashi discloses an OSD image display apparatus, wherein the OSD image display apparatus further comprises: a display apparatus remote controller (see figure 1).

As to claim 7, Takahashi (fig. 1) shows an OSD image display apparatus, wherein the display apparatus (1) comprises a command input part for receiving a command signal from the display apparatus remote controller and providing the command signal to the controller (col. 3, lines 11-20).

As to claim 1, method claim 1 corresponds to apparatus claim 2, therefore, it is analyzed as discussed in claim 2 above.

### *Conclusion*

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Song (U.S. Pat. No. 5,973,810) discloses a remote-controlled monitor/PC.

Wu (U.S. Pat. No. 6,195,087) discloses a method and device for preventing the jumper phenomenon of an OSD display region on a monitor screen.

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Chancy et al. (U.S. Pat. No. 6,195,089) discloses a TV graphical user interface having variable channel changer icons.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fritz Alphonse whose telephone number is (703) 308-8534.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Saras, can be reached at (703) 305-9720.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

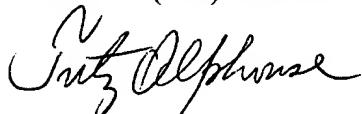
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**or faxed to:**

**(703) 872-9314 ( for Technology Center 2600 only )**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

  
F. Alphonse

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December 12, 2002

  
STEVEN SARAS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600